

CLAIMS

1. A new fibrinogen binding protein derived from *Staphylococci* having a molecular weight of 60 kDa.
2. Hybrid-DNA-molecule comprising a nucleotide sequence from *S. aureus* coding for a protein or polypeptide having fibrinogen binding activity.
3. Plasmid or phage comprising a nucleotide sequence from *S. aureus* coding for a protein or polypeptide having fibrinogen binding activity.
4. An *E. coli* strain expressing said fibrinogen binding protein.
5. A microorganism transformed by recombinant DNA molecule of claim 2.
6. Hybrid-DNA-molecule according to claim 2, comprising the following nucleotide sequence:
- GAGCGAAGGA TACGGTCCAA GAGAAAAGAA ACCAGTGAGT ATTAATCACA
ATATCGTAGA GTACAATGAT GGTACTTTTA AATATCAATC TAGACCAAAA
TTTAACTCAA CACCTAAATA TATTAAATTC AAACATGACT ATAATATTTT
AGAATTTAAC GATGGTACAT TCGAATATGG TGCACGTCCA CAATTTAATA
AACCAGCAGC GAAAACTGAT GCAACTATTA AAAAAGAACA AAAATTGATT
CAAGCTCAAA ATCTTGTGAG AGAATTTGAA AAAACACATA CTGTCAGTGC
ACACAGAAAA GCACAAAAGG CAGTCAACTT AGTTTCGTTT GAATACAAAG
TGAACAAAAT GGTCTTACAA GAGCGAATTG ATAATGTATT AAAACAAGGA
TTAGTGAGA
7. A method for producing a fibrinogen binding protein or polypeptide wherein a) at least one hybrid-DNA molecule according to claim 2, is introduced into a microorganism, b) said microorganism is cultivated in a growth promoting medium, and c) the protein thus formed is isolated.
8. A fibrinogen binding protein or polypeptide comprising at least one amino acid sequence
- SEGYGPREKK PVSINHNIVE YNDGTFKYQS RPKFNSTPKY IKFKHDYNIL
EFNDGTFEYG ARPQFNKPAA KDATIKKEQ KLIQAQNLVR EFEKTHTVSA
HRKAQKAVNL VSFEYKVKKM VLQERIDNVL KQGLVR

5/11

- add
A2